Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	05/25/2017 11:33 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/21/2017 12:22 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124388	-1	1.68	124299	1.66
Blue	F	SSC	125000	122946	-2	3.19	123416	3.03
Blue	E	FITC	23355	22539	-4	2.52	1001	10.24
Blue	D	PE	28848	28295	-2	2.14	1015	9.70
Blue	B	PerCP-Cy5-5	47791	47381	-1	3.43	1358	16.54
Blue	A	PE-Cy7	41358	41121	-1	4.97	635	35.05
Red	C	APC	51316	50851	-1	2.74	2951	9.23
Red	A	APC-Cy7	53225	52277	-2	2.73	1082	11.16
Violet	B	V450	14473	13797	-5	3.37	668	8.97
Violet	A	V500	59973	57951	-4	3.05	2574	6.18

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19778	3.07	606	8	N/A	N/A	Pass
Blue	F	SSC	61102	2.06	535	1	N/A	N/A	Pass
Blue	E	FITC	114	39.65	541	-3	0.0213	236	Pass
Blue	D	PE	222	28.41	536	-2	0.1622	221	Pass
Blue	B	PerCP-Cy5-5	214	45.12	628	-2	0.0108	156	Pass
Blue	A	PE-Cy7	70	117.49	680	-1	0.0122	17	Pass
Red	C	APC	344	27.05	591	-3	0.0214	75	Pass
Red	A	APC-Cy7	119	40.30	571	-5	0.0056	1695	Pass
Violet	B	V450	80	44.33	475	4	0.0433	2027	Pass
Violet	A	V500	188	24.06	506	5	0.0135	626	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-31.87	-31.50	0.83
Blue	20.34	16.27 - 24.41	1.24	0.99 - 1.49	0.00	0.00	1.33
Red	18.62	13.27 - 19.91	N/A	N/A	31.54	31.94	1.16

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 13414

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments